User manual

Pole Tool Range

⚠ WARNING!

Read and follow all safety warnings and instructions carefully before using this machine. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save this manual for future reference.

⚠ ATTENTION!

Products covered by this manual will vary in appearance, assembly, inclusions, description and packaging**.**

⚠ NOTE!

This manual also covers backpack style machines with a flexible shaft as well as options / accessories that may not be suitable for the machine you have purchased.

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Safety Warnings

It is important you read and understand the instruction manual before first use and keep the manual in a safe place for future reference.

Safety precautions must be observed to reduce the risk of personal injury when operating this machine.

DANGER! Keep clear of power lines, contact can cause death.

Like all power equipment this unit must be handled carefully.

Do not expose yourself or others to danger. Do not permit others to use this machine unless they have read this manual and are trained in its operation. Do not operate if the equipment is damaged or in an excessively worn state. To reduce fire hazards keep the engine and silencer free of debris, leaves or excessive lubricant. Do not use any attachments or accessories with the equipment other than the ones recommended by the supplier. Serious injury to the operator or bystanders can result as well as cause damage to the machine. Always use proper handles and / or shoulder strap when using the equipment. Do not use the unit if it is damaged or poorly adjusted. Never remove the machine's guards. Serious injury to the operator or bystanders could result as well as damage to the machine. Never leave the machine running and unattended. Do not use this unit for any job other than those for which it is intended as described in this manual. During or after operation of the engine, never touch hot parts such as the muffler, the high voltage wire or the spark plug. Do not operate the machine in the rain or under wet conditions. Always ensure all handles and guards are fitted when using the machine. Always keep the machine away from naked flame or sparks. Always stop the engine before cleaning / clearing a blockage or checking, maintenance or working on the machine.

Working at heights

Always use a scissor lift, never work on a ladder or in a tree, never work on an insecure support and never operate your unit with one hand. Always be sure of a safe and secure operating position especially when working at heights.

Clothing and Equipment

Dress properly. Do not wear loose clothing or jewellery which can be caught in moving parts. Use of sturdy gloves, non-skid footwear, and safety glasses is recommended;

Always wear ear protection. Loud noises for an extended period of time may damage your hearing.

Total face and head protection must be worn to reduce injury from falling branches.

Wear no-slip heavy duty work gloves to improve your grip on the brush cutter handle. Gloves also reduce the transmission of machine vibration to your hands.

The dust, vapour and smoke produced during operation may be dangerous to health. If the work area is very dusty or smoky, wear a respirator.

Transporting the Machine

The engine should be turned off when the machine is moved between areas and when transporting or storing the machine. Always turn off the engine. Always fit the blade covers before carrying your tool. When transporting in a vehicle: properly secure your machine to prevent turnover, fuel spillage and damage.

Fuelling

Petrol is an extremely flammable fuel. Keep clear of naked flames.

Do not spill any fuel. Do not smoke near fuel or the machine. Always shut off the engine before refuelling. Do not fuel a hot engine – fuel may spill and cause a fire. Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly and avoid fuel spillage. Fuel your machine only in well ventilated areas. If you spill fuel, wipe the machine immediately – if fuel gets on your clothing, change immediately. To reduce the risk of serious or fatal burn injuries, check for fuel leakage. If fuel leakage is found, do not start or run the engine until leak is fixed.

During Operation

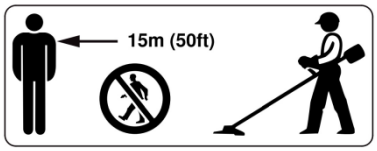
Make sure you always have good balance and secure footing. Always be aware of your surroundings and stay alert for possible hazards that you may not hear due to the noise of the machine. Never allow children to access the machine. Avoid operating while people, especially children are nearby. To reduce the risk of injury, do not allow any other persons within a radius of 25 meters of your own position. To reduce the risk of damage to property, also maintain this distance from other objects (vehicles, windows).

After Finishing Work

Always clean dust and dirt off the machine – do not use any grease solvents. Always keep the machine clean, especially, the fuel tank, its surroundings, and the air cleaner. After the engine has stopped, the muffler will still be hot. Never place the machine in any places where there are flammable materials such as dry grass, combustible gases or combustible liquids etc. Replace cutting tool covers.

Maintenance and Repairs

Service the machine regularly. Do not attempt any maintenance or repair work not described in the instruction manual. Have all other work performed by a servicing dealer. We recommend that you have servicing and repair work carried out exclusively by an authorised service person. Before proceeding to adjust or repair the machine, be sure to stop the engine and detach the spark plug lead. Never attempt to make engine adjustments while the unit is strapped to the operator. Always make engine adjustments with the unit resting on a flat, clear surface.



- KEEP CLEAR OF BLADE AREA.
- READ USER MANUAL BEFORE OPERATION.
- BEWARE OF FLYING OBJECTS EJECTED FROM CUTTING AREA.
- KEEP CHILDREN, BYSTANDERS AND ANIMALS AWAY.
- ALWAYS WEAR HEARING AND EYE PROTECTION - NOISE 98dB
- ALWAYS WEAR SAFETY BOOTS AND HEAVY GLOVES.
- STOP ENGINE AND LET IT COOL BEFORE REFUELLING.

- 2-STROKE ENGINE:
- USE FRESH PETROL MIXED WITH A HIGH QUALITY 2-STROKE OIL.
- 25:1 RATIO

Some experts believe the use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose/broken/damaged/missing parts, wear or leaks (if applicable) before each use. Never use a product with loose/broken/damaged/missing parts, wear or leaks (if applicable).
- Product must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or it's representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.

⚠ DANGER

Using an engine indoors CAN KILL YOU IN MINUTES.

Engine exhaust contains carbon monoxide. This is a poison you cannot see or smell.

NEVER use inside a home or garage, EVEN IF doors and windows are open.

Only use OUTSIDE and far away from windows, doors, and vents.

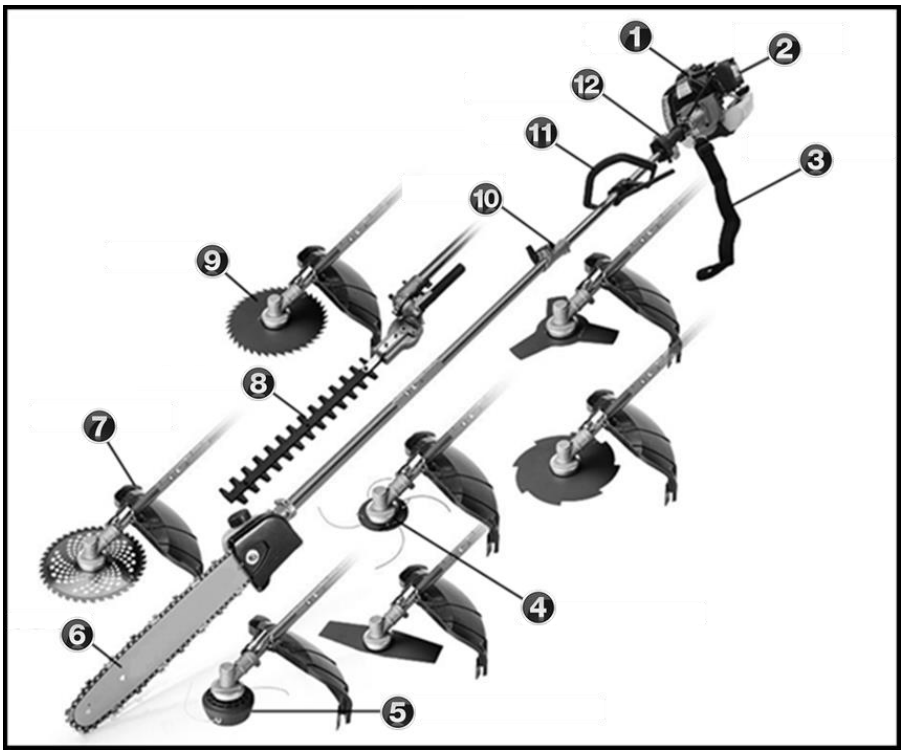
Avoid other hazards.
READ MANUAL BEFORE USE.

1. DO NOT OPERATE IN A HAZARDOUS LOCATION. SUCH AREAS INCLUDE WHERE THERE IS A RISK OF EXPLOSION OF PETROL FUMES, LEAKING GAS OR EXPLOSIVE DUSTS.
2. DO NOT OPERATE IN A CONFINED AREA WHERE EXHAUST GASES, SMOKE OR FUMES COULD REACH DANGEROUS CONCENTRATIONS.
3. DO NOT REFUEL WHILE ENGINE IS RUNNING.
4. FOR GENERATORS ONLY: THE OUTPUT OF THIS GENERATING SET IS POTENTIALLY LETHAL. THE SET SHOULD NOT BE CONNECTED TO A FIXED ELECTRICAL INSTALLATION EXCEPT BY AN APPROPRIATELY LICENSED PERSON.
5. NOT WEATHERPROOF - PROTECT YOUR MACHINE. THIS MACHINE IS NOT WEATHERPROOF AND SHOULD NOT BE EXPOSED TO DIRECT SUNLIGHT, HIGH AMBIENT TEMPERATURE OR DAMP, WET OR HIGH HUMIDITY CONDITIONS.
6. EXPLOSION HAZARD: NEVER SMOKE WHILE REFUELLING.
7. TAKE CARE NOT TO SPILL FUEL. WHEN REFUELLING THE ENGINE ENSURE THAT THE ENGINE HAS BEEN SWITCHED OFF AND THAT ALL PARTS HAVE BEEN ALLOWED TO COOL. PREVENT THE SPILLING OF FUEL AS THIS MAY ALSO IGNITE WITH A HOT ENGINE. NEVER REFUEL WHILST THE ENGINE IS RUNNING.

Parts Diagram

⚠ **ATTENTION! Products covered by this manual will vary in appearance, assembly, inclusions, description and packaging.**

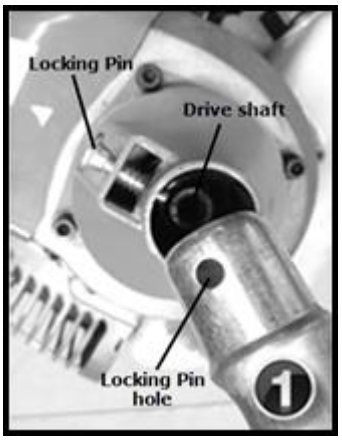
1. Engine
2. Air Cleaner
3. Shoulder Harness
4. Single line cutter
5. Bump feeder
6. Pruning Chainsaw
7. Deflector Guard
8. Hedge Trimmer
9. Brush Cutter
10. Coupler join
11. Loop Handle
12. Throttle Trigger
13. Spark Plug
14. Air Filter fastener
15. Air filter housing
16. Choke
17. Pull Start cord & handle
18. Fuel filler cap
19. Exhaust outlet
20. Fuel Tank



Assembly

Connecting the engine – backpack type

1. Insert the shaft into the engine case while lifting the locking PIN
2. Push the shaft in all the way, release the locking PIN and slightly move / twist the shaft until the locking PIN falls into the locking hole.



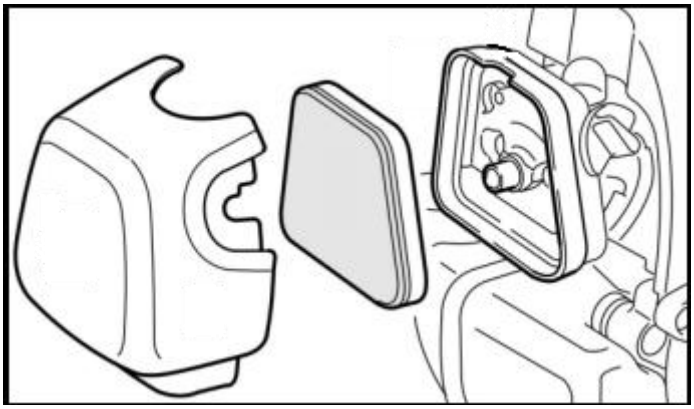
Connecting the engine – conventional type

1. Remove the bolts from the engine face and set aside.
2. Seat the shaft casing against the engine making sure to line up the axle spline.
3. Using the bolts set aside in step (1), bolt the housing firmly to the engine (*hand tight plus half a turn*).

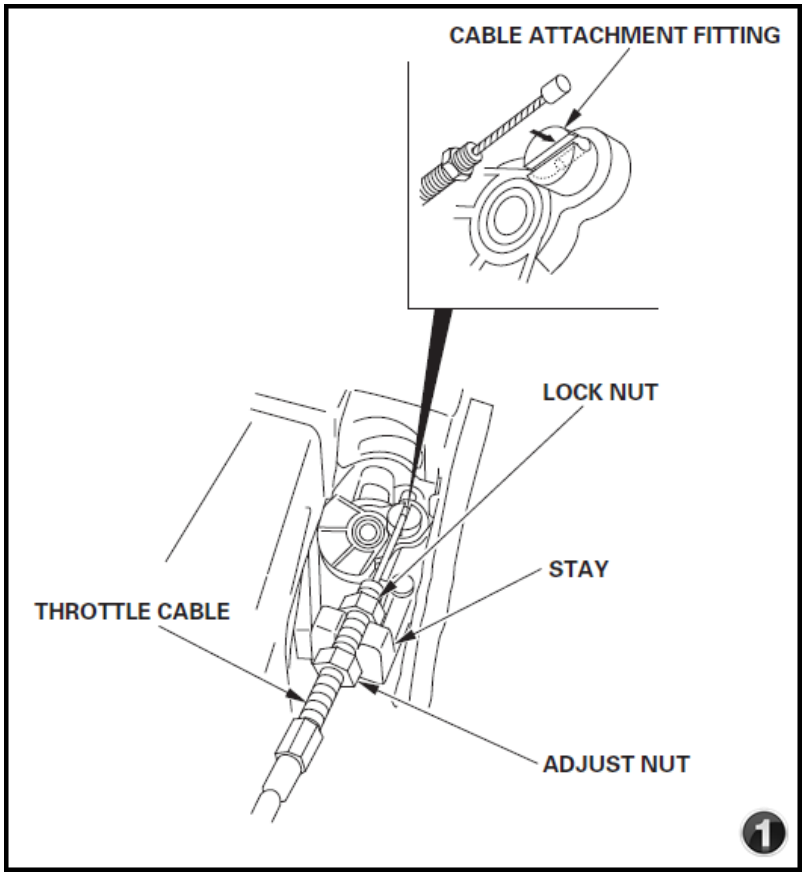
Assembly cont..

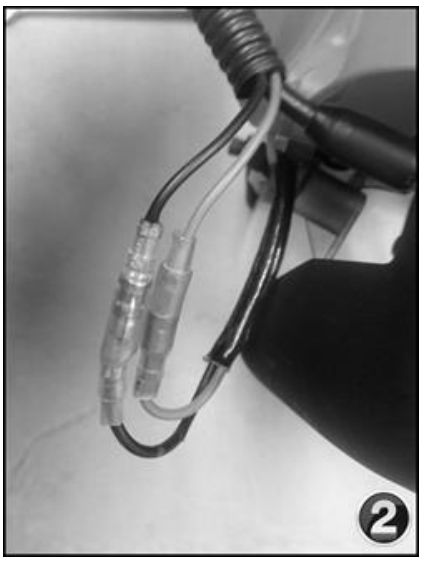
Connecting the throttle and switch

1. Remove the air cleaner cover.



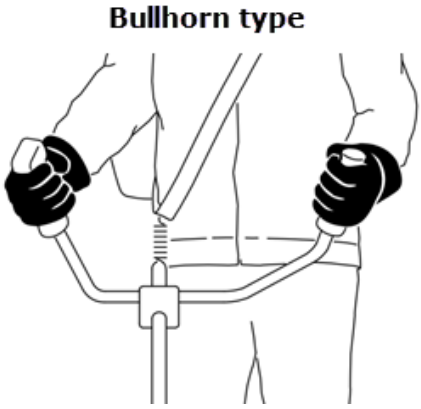
2. Wind the “adjust nut” anti-clockwise away from the cable end (figure 1).
3. Wind the “lock nut” anti-clockwise away from the cable end.
4. Slide the “throttle cable” into and through the “stay”.
5. Connect the “throttle cable” end to the “cable attachment fitting”.
6. Wind the “lock nut” clockwise toward the holding plate till it is flush against the “stay”.
7. Using a spanner - tighten the throttle “adjust nut” until it locks against the “lock nut” and “stay”.
8. Connect the throttle switch wires (figure 2). Wire colours may or may not match, it does not matter which way they are connected.



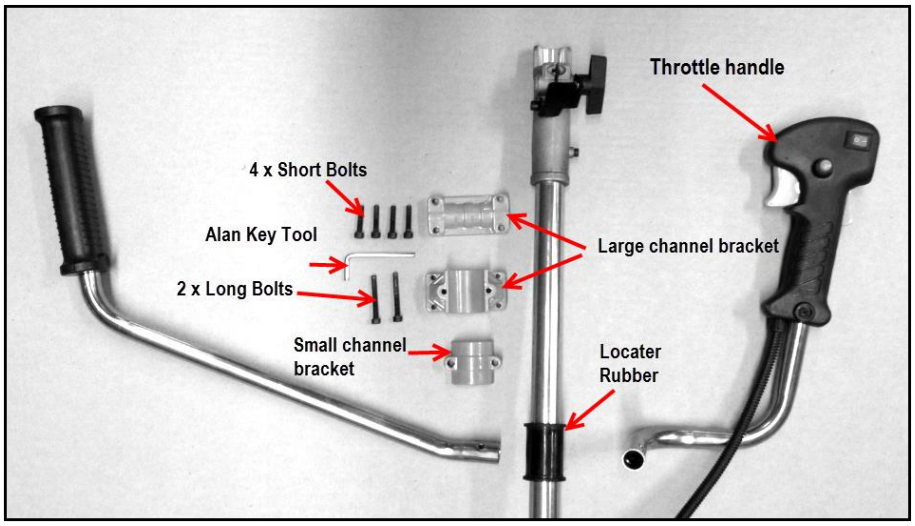


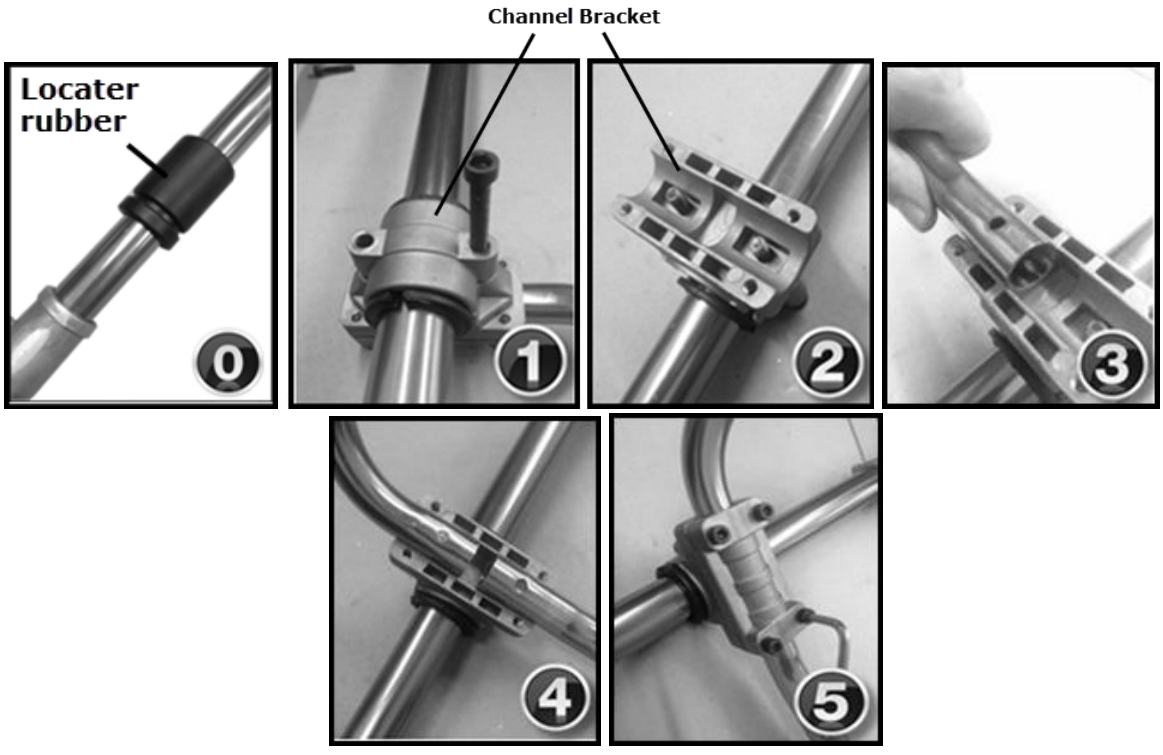
Assembly cont..

Assemble the Bullhorn type handle



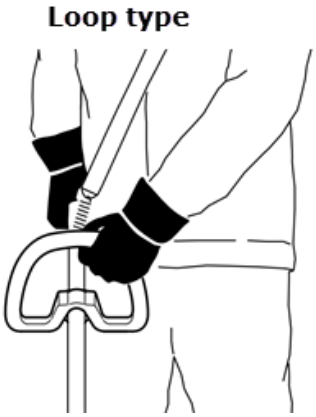
1. Set the engine down on a flat surface in the upright position.
2. Locate the handle “locater rubber” (figure 0) in a position allowing mounting of the handles in a comfortable location.
3. Firmly bolt the “small channel bracket” and “Large channel bracket” base to the “Locator rubber” using the 2 long bolts and an Alan Key (figures 1 & 2).
4. Position the two handle bars onto the protruding bolts (see figures 3 & 4).
5. Bolt the large “channel bracket” clamp over the “channel bracket” and handles using the “4 short bolts” and an “Alan key tool” (figure 5).



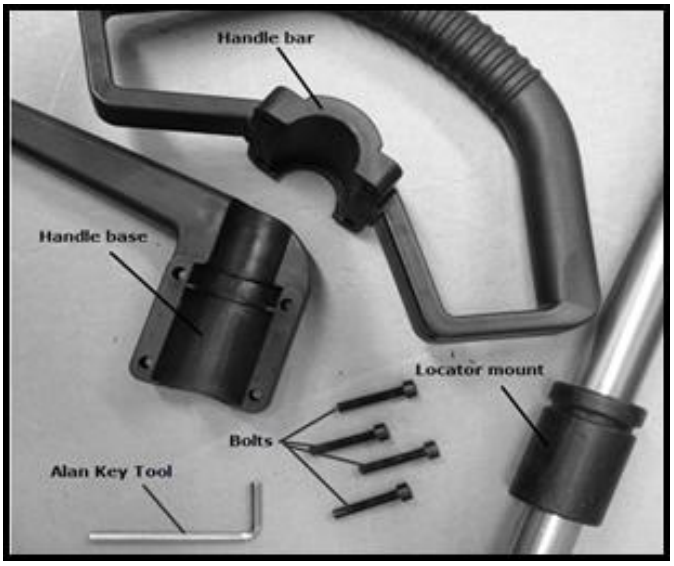


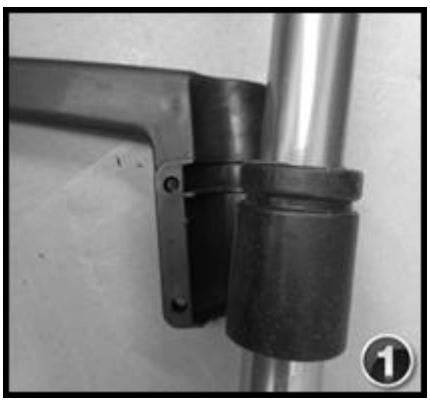
Assembly cont..

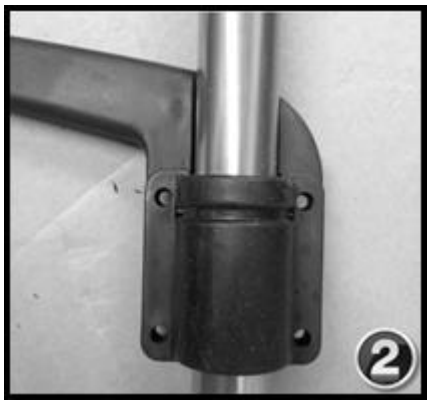
Fitting the Loop type handle

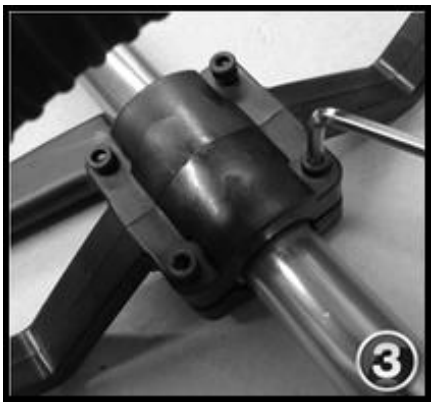


1. Set the engine down on a flat surface in the upright position.
2. Position the rubber “locator rubber” just below the throttle in a position allowing mounting of the handles in a comfortable location.
3. Holding the handle base under the locator mount place the “handle bar” over the base.
4. Firmly bolt the “handle bar” to the base using the 4 bolts and an Alan Key. Screw each bolt down an even amount until the “handle bar” does not flex or slide on the shaft.





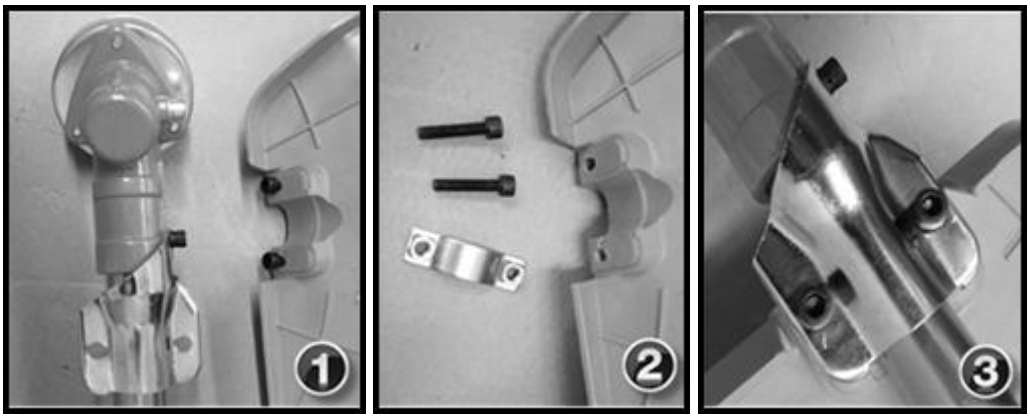


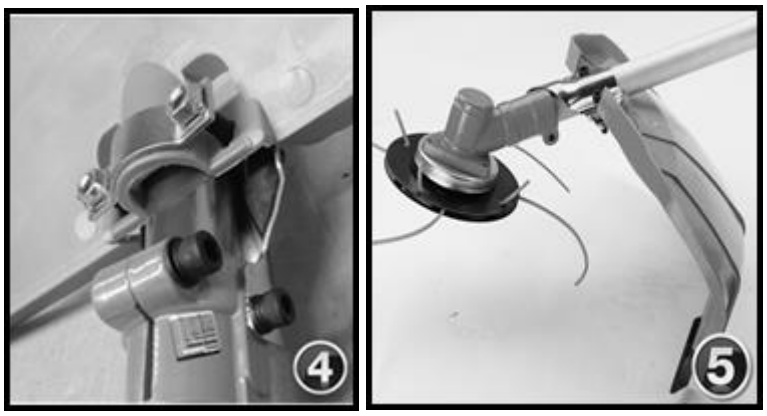


Assembly cont..

Fitting the deflector shield

1. Remove the two bolts and fixing plate form the deflector shield using an Alan key and set aside.
2. Place the deflector shield over the gear head (figure 5)
3. Secure the shield in place with the two bolts set aside earlier using the Alan key.

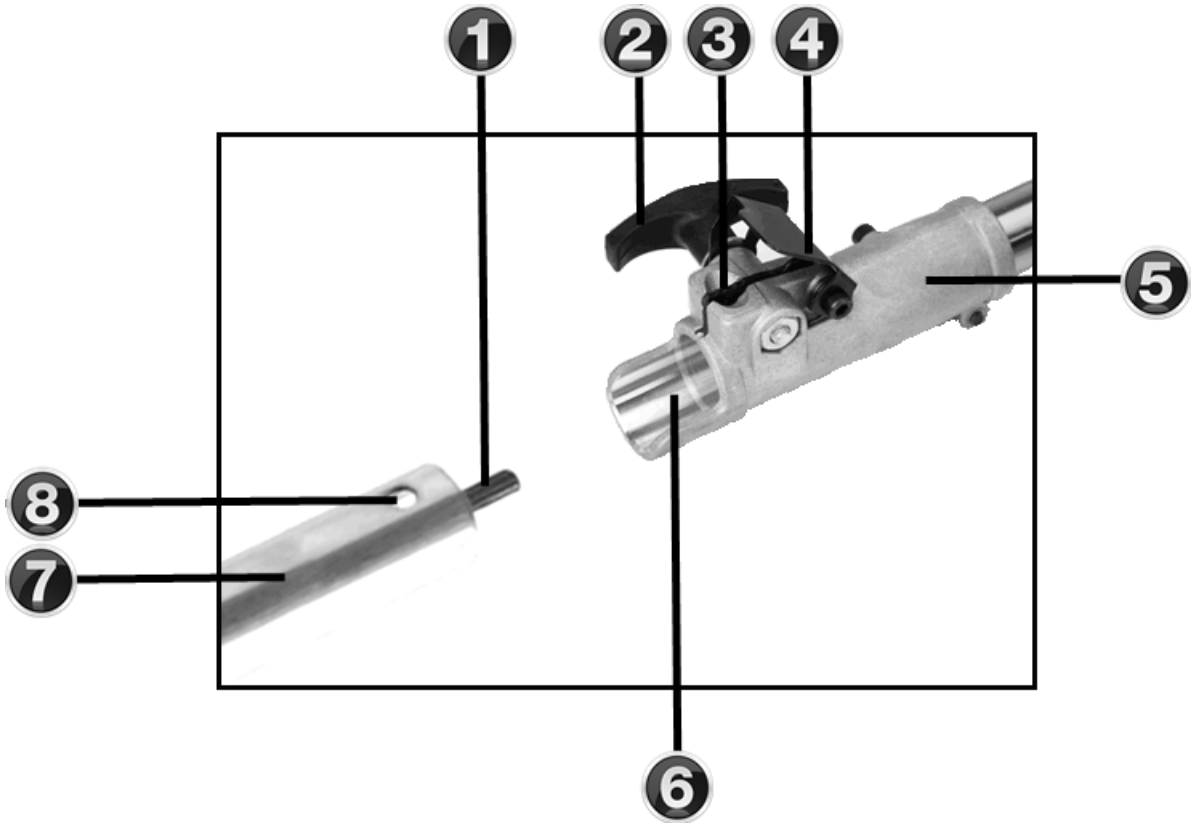




Assembly cont..

Removing and fitting pole extensions

1. Drive shaft / spindle
2. Coupler screw handle
3. Latch mechanism
4. Latch protector cover
5. Coupler section
6. Coupler receiver
7. Cutting head/extension pole
8. Locating hole



1. Place the machine (5) and pole extension (7) on a clean, flat surface so both assemblies are end to end.
2. Make sure the latch protector (4) and the locking hole (8) on the tube assembly are facing up.
3. Loosen the coupler screw handle (2) and lift the latch cover up if it doesn't rise on its own.
4. Press the latch mechanism (3) and insert the Cutting head/extension (7) into the coupler receiver (6) all the way.
5. Release the latch mechanism (3) and rock the Cutting head/extension (7) back and forth until the latch (3) snaps into place.
6. When the two tube halves are locked together, push the latch protector (4) down and tighten the coupler screw handle (2).

Before Use

Adding Fuel

⚠ **WARNING!** Do not use fuel substitutes such as ethanol or methanol on your engine, using such fuel will cause damage and void any applicable warranty.

⚠ **ATTENION!** Before refuelling ensure the engine is switched off and has cooled

⚠ **ATTENTION!** Two stroke engines must be used with a 25:1 ratio of fuel to 2-stroke oil mixture (refer to table below)

⚠ **NOTE!** It is normal for smoke to be emitted from a new engine for the first 5 hours of use while running in.

Two Stroke Engines

⚠ **IMPORTANT!** Use only clean, fresh non-ethanol 95+ unleaded.

⚠ **IMPORTANT!** Do not overfill the fuel tank.

⚠ **IMPORTANT!** Never use stale or contaminated fuel to mix with 2-stroke oil.

⚠ **IMPORTANT!** Do not let dirt and water into the fuel tank.

⚠ **IMPORTANT!** Tighten the fuel filler cap securely after adding fuel.

- Clean surface around fuel cap to prevent contamination.
- Loosen fuel cap slowly. Rest the cap on a clean surface.
- Carefully pour fuel into the tank. Avoid spillage.
- Prior to replacing the fuel cap, clean and inspect the gasket.
- Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.

Starting the engine

⚠ **CAUTION!** The starter grip can be drawn back very quickly before you can release it. This may pull your hand forcefully toward the engine and cause an injury.

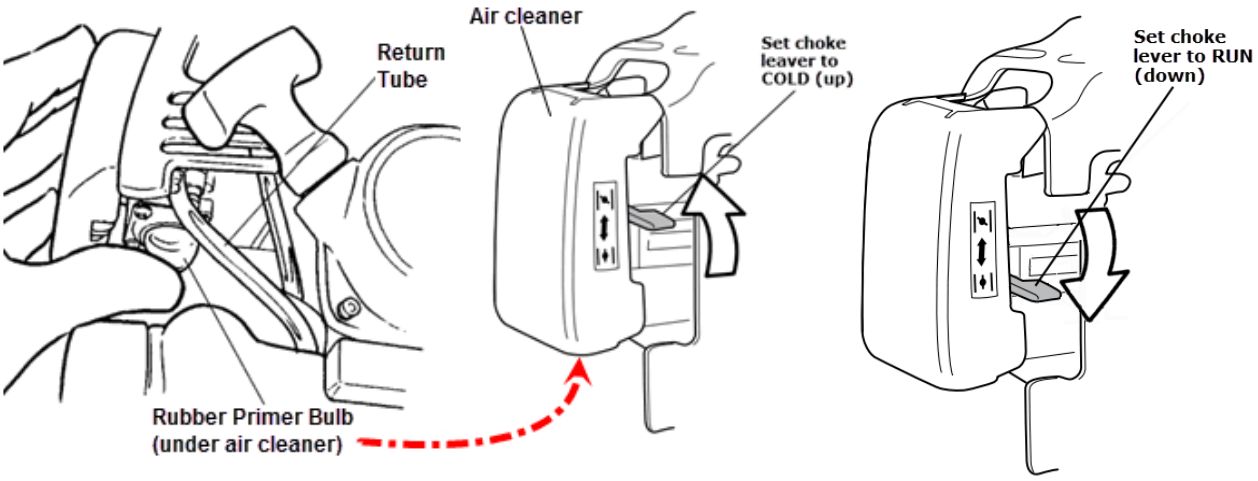
⚠ **CAUTION!** Do not allow the starter grip to snap back. Return it slowly by hand.

⚠ **WARNING!** When starting the engine, make sure the cutting attachment is well clear of bystanders, pets or objects. The attachment may rotate during start-up**.**

⚠ **WARNING!** The cutting attachment will engage and rotate as the engine starts and accelerates.

⚠ **CAUTION!** The recoil starter can be damaged by abuse.

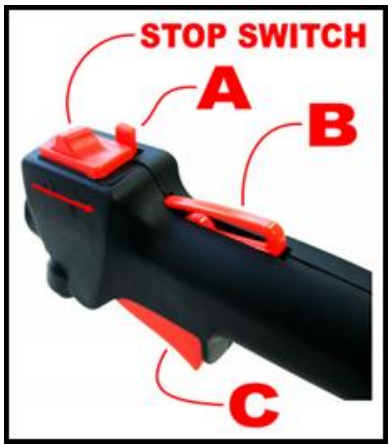
STARTING PROCEDURE
READY
- PRESS RUBBER PRIMER BULB 10 TIMES
- SET "STOP SWITCH" TO "ON" POSITION
SET
- PRESS AND HOLD "A" WHILE SQUEEZING "B" AND "C"
- RELEASE "B" AND "C"
- LET GO OF "A"
- SET CHOKE LEVER TO "COLD"
GO!
- SHARPLY PULL STARTER CORD 2-3 TIMES UNTIL ENGINE "KICKS"
- SET THE CHOKE LEVER TO "RUN"
- IF NEEDED, PULL THE STARTER CORD TO RESTART
STOP SWITCH
A
B
C



Starting the engine cont…

⚠ **Note!** As the engine starts / warms it will become possible to rev the engine – do this a few times before starting your job. Engines can run rough when cold / first started.

Cold Engine Start



1. Place the unit firmly on the ground, make sure the engine is stable and the cutting attachment is free from any obstruction.
2. Press the rubber primer bulb 10 times
3. Set “STOP SWITCH” to “ON”
4. Press and hold “**A**” while squeezing “**B**” and “**C**”
5. Release “**B**” and “**C**”
6. Let go of “**A**”
7. Set Choke lever to “**COLD**”
8. Start engine by pulling cord.

Warm Engine Start

1. Place the unit firmly on the ground, make sure the engine is stable and the cutting attachment is free from any obstruction.
2. Set “STOP SWITCH” to “ON”
3. Press and hold “A” while squeezing “**B**” and “**C**”
4. Release “**B**” and “**C**”
5. Let go of “**A**”
6. Set Choke lever to “**RUN**”
7. Sharply pull the starter cord 2-3 times until the engine “kicks”
8. Set the Choke lever to “Run”
9. If needed, pull the starter cord to restart.

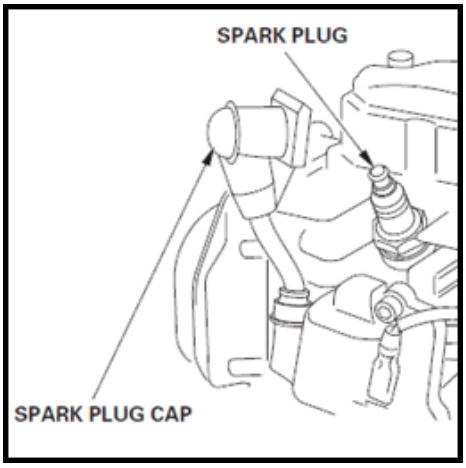
If the Engine Fails To Start

Repeat the appropriate starting procedure (warm or cold engine). If the engine fails to start after frequent attempts, the engine may be flooded (too much fuel in engine) If you suspect your engine is flooded go to next section “Starting a flooded engine”

Starting a Flooded Engine

⚠ **CAUTION!** Incorrect spark plug installation can result in serious engine damage.

1. Pull the “spark plug cap” off the “spark plug”.
2. Using a spark plug wrench; remove the “spark plug” (turn counter clockwise to remove).
3. Push the choke lever down.
4. Hold the throttle trigger all the way in (full throttle)
5. Pull the starter handle rapidly with your right hand to expel/clear the excess fuel from the combustion chamber.
6. Clean the “spark plug” with a cloth to wipe away any excess fuel or oil deposits.
7. Reinstall a “spark plug” and tighten it firmly; hand tight plus 1/3 a turn with the spark plug wrench.
8. Repeat the WARM ENGINE starting procedure above.
9. If the engine still fails to start, see the troubleshooting section near the end of this manual.



Stopping the Engine

⚠ **Warning!** The cutting attachment continues to rotate for a short period after the throttle is released or the engine is switched off (flywheel effect).

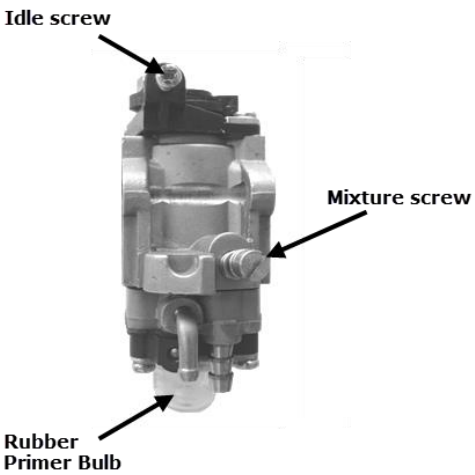
Stop the engine by setting the “STOP SWITCH” to “OFF” position.

Check and Adjust Idle Speed

1. Start the engine and leave it idle, for two or three minutes, or until it warms up.

⚠ **NOTE!** The Mixture screw is the one with a spring wrapped around it.

2. If the cutting attachment rotates rapidly while the engine is idle, reduce idle speed by turning the idle screw counter clockwise as necessary.
3. If the engine is stalling and won't idle, increase the idle speed by turning the idle screw clockwise.



Adjusting the Carburettor

⚠ **WARNING!** The cutting attachment may rotate when the engine is at an idle speed.

⚠ **Note!** The engine will return to idle speed after the throttle trigger is released.

⚠ **Note!** You may require moderate level of mechanical knowledge to service your machine, if in doubt please contact a service centre.

⚠ **Note!** As a rule the engine idle should be turned down to a minimum so that the gear head is not spinning rapidly and the engine is only “just” running.

Return idle and mixture screws to factory setting

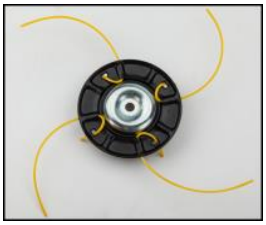
1. Remove all cutting accessories from the gear head.
2. Turn the Idle screw clockwise until it just begins to tighten (do not tighten it)
3. Turn the Idle screw counter clockwise by 9.5 turns.
4. Turn the Mixture screw clockwise until it just begins to tighten (do not tighten it)
5. Turn the Mixture screw counter clockwise by 3 turns.
6. Now start the engine.
7. Ensure the choke is down and the engine is warm.
8. Pull the throttle trigger in all the way (full throttle)
9. With the engine running at full throttle; turn the mixture screw clockwise until the engine is running at its absolute fastest.

⚠ **CRITICAL!** Prevent engine damage once the engine is running at its fastest; turn the mixture screw counter clockwise by ¼ of a turn.

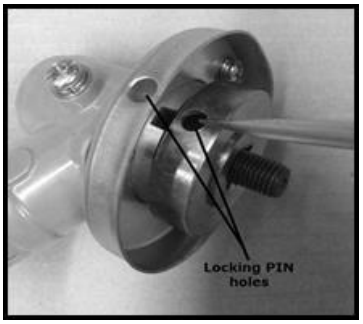
10. For fine tuning of idle speed, attach a cutting head and adjust the idle screw to minimise cutting tool movement while keeping the engine fast enough to run smoothly.

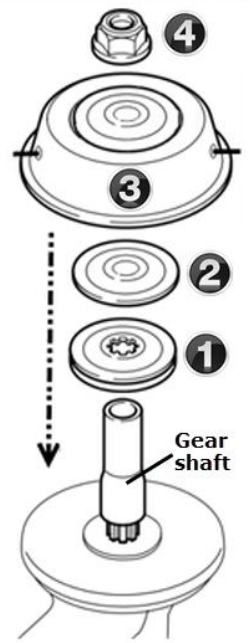
The Single Line Cutter & Bump Feeder

Single line cutter:



1. Slide washer (1) and washer (2) onto the gear shaft.
2. Slide the on the “single line cutter” (3)
3. Lightly screw the “locking nut” (4) onto the gear shaft.
4. Rotate the gear head until the “locking pin holes” have lined up then; using an Alan key lock the gear head so it will not spin freely *(see image below)*





5. Tighten the “locking nut” it with a spanner so it is secure and cannot come off.

Bump feeder:

1. Slide washer (1) and washer (2) onto the gear shaft.
2. Screw on the line feeder attachment (3) and tighten so it is secure and cannot come off.

Note – Keep all remaining bolts and washers to install other cutting options *(see following section on Metal cutting blades)*

Metal cutting blades

1. Slide washer (1) then the cutting blade (2) onto the shaft.
2. Slide washer (3) and the steel cover (4) onto the shaft.
3. Lightly screw the “locking nut” (5) onto the gear shaft.
4. Rotate the gear head until the “locking pin holes” have lined up and using an Alan key lock the gear head so it will not spin freely (see image below)
5. Tighten the “locking nut” it with a spanner so it is secure and cannot come off.

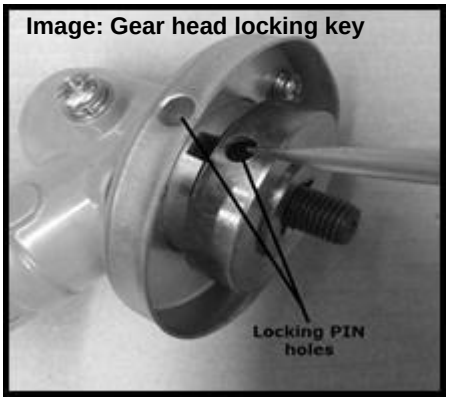
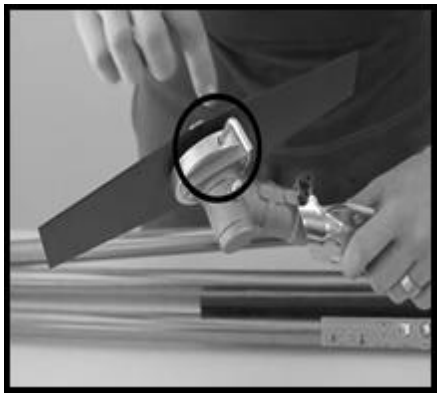
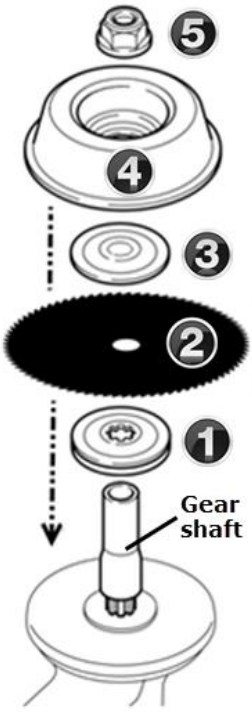


Image: Gear head locking key

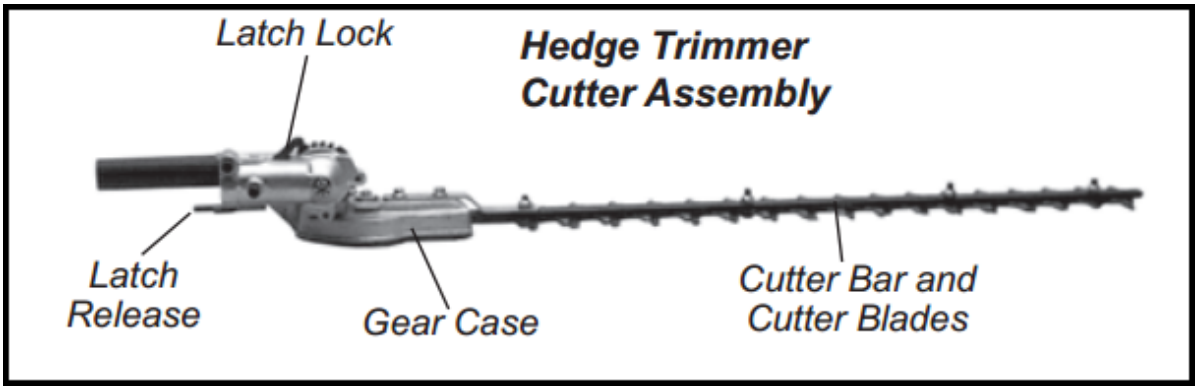




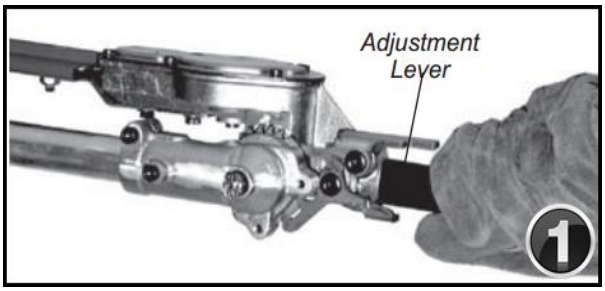
Hedge Trimmer

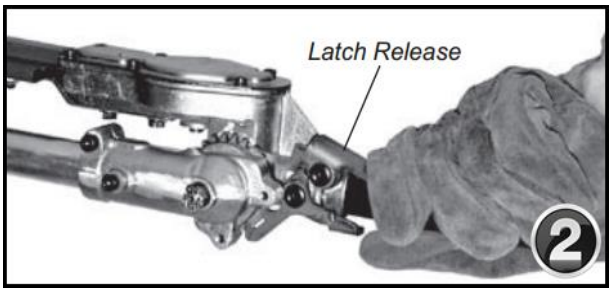
⚠ **WARNING!** The cutter blades are very sharp. Do not handle the cutter assembly unless the protective blade cover is in place**.**

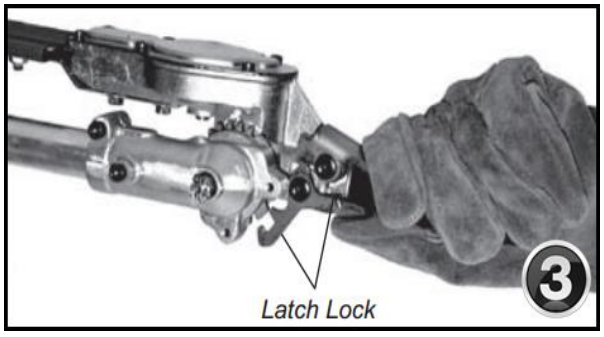
⚠ **IMPORTANT!** Make sure the “cutter bar” is locked in the storage/transport position (folded back) and the protective cover is installed over the cutter blades when not in use.

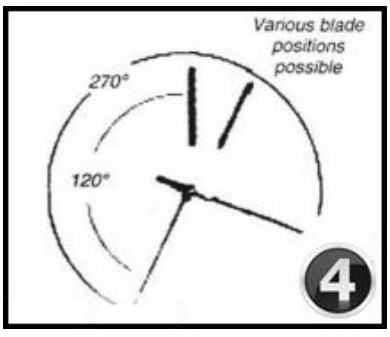


1. With your right hand, grasp the handle, located immediately behind the hand guard. With your left hand, grip the adjustment lever on the cutter assembly (figure 1).
2. With the index finger of your left hand, press the latch release. With your left thumb, press the latch lock (figure 2-3).
3. The cutting blade may be set in various positions (figure 4).
4. Remove the cover from the cutter blade. The engine now may be started (refer to section “Starting the Engine”).







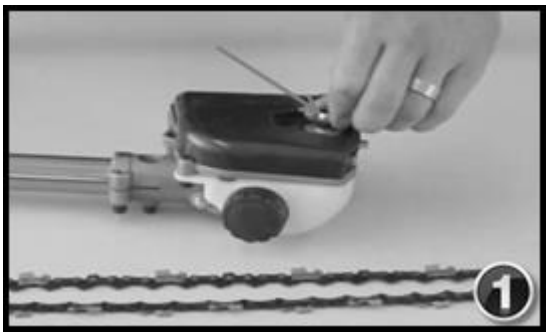


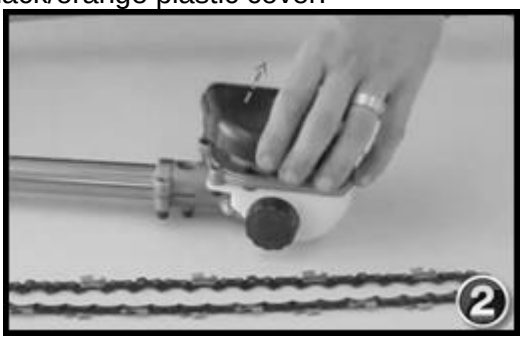
Pruning Chainsaw

⚠ **WARNING!** When not in use ALWAYS use the protective chain cover.

⚠ **WARNING!** The Chain is extremely sharp. Never touch the chain without using cut-proof gloves.

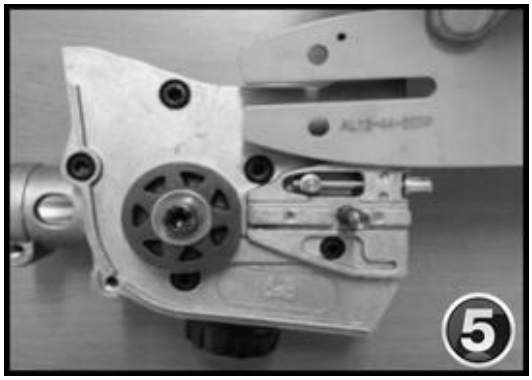
1. Unscrew the 10mm “Main Nut” and remove the black/orange plastic cover.

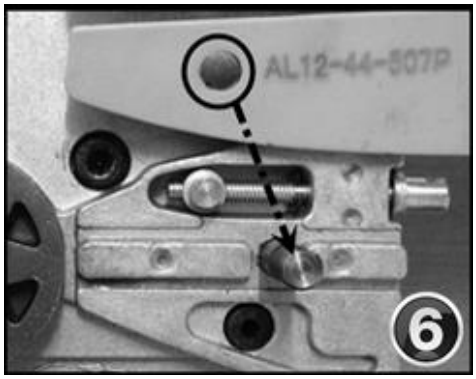


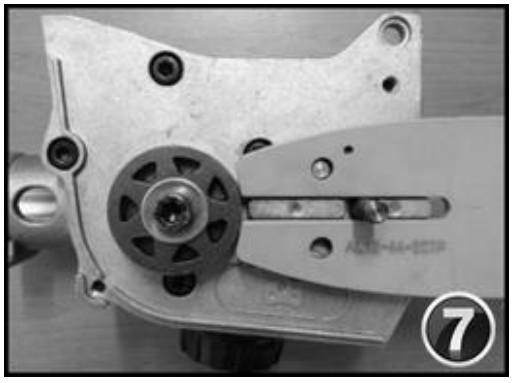


2. Rest the chain bar on the gear assembly (figures 3-4) and let it sit there until the chain is attached.

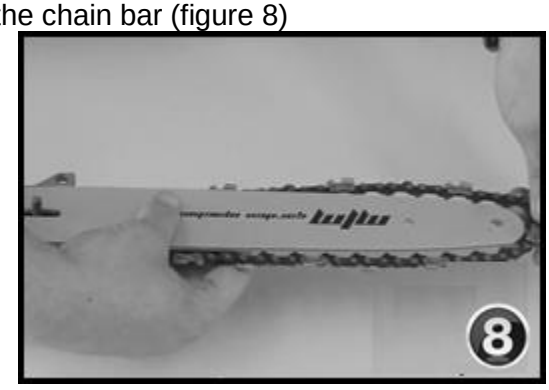
3. Be sure to line up the PIN with the adjusting hole on the saw blade (figures 5-7)



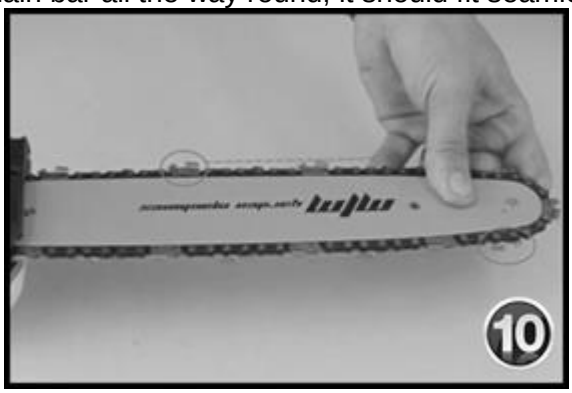




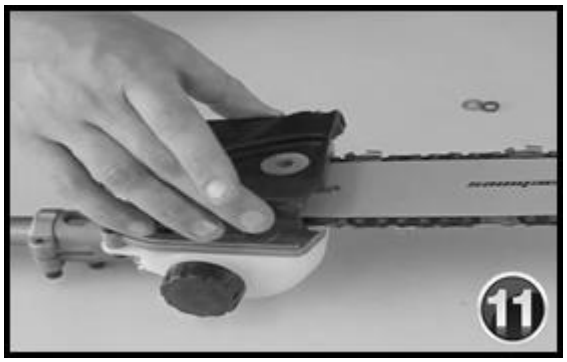
4. Wrap the chain around the drive gear then; while supporting the bar, wrap the chain around the rest of the chain bar (figure 8)

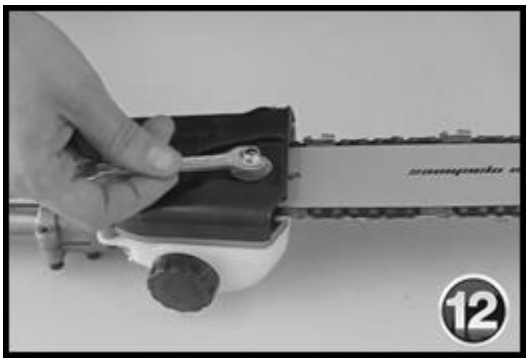


5. Make sure the chain is seated properly on the chain bar all the way round, it should fit seamlessly.



6. Replace the black/orange plastic cover with the flat washer first followed by the spacer ring and then the 10mm “Main Nut”. Leave the nut a little loose for now.





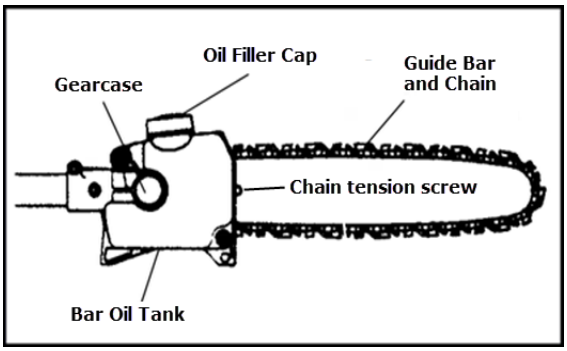
Adjusting the chain using the chain tensioner

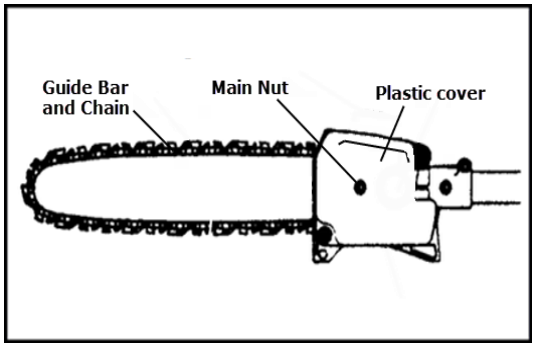
⚠ **WARNING!** Always use protective, non-cut gloves when touching the cutting chain.

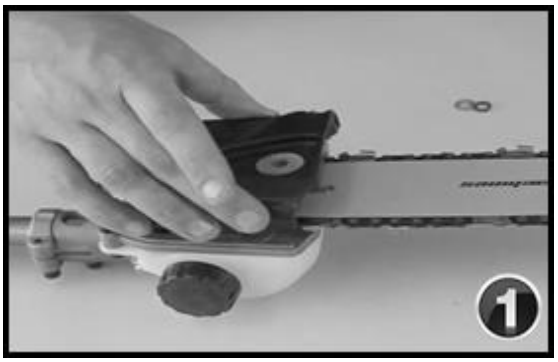
⚠ **DANGER!** Always disconnect the “spark plug lead” before touching the cutting chain.

⚠ **IMPORTANT!** After running a new chain for 5min the tension must be re-checked. An old chain must be checked every 15min of use.

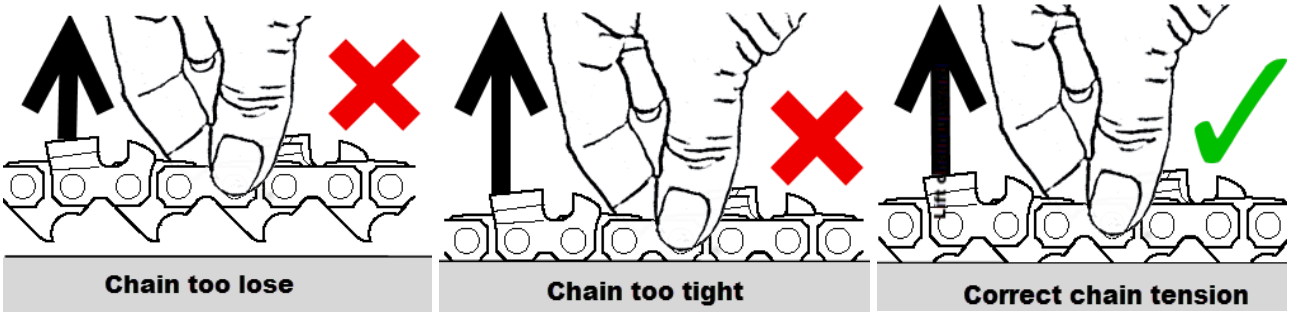
1. Disconnect the “spark plug lead” before adjusting your chain.
2. Slightly loosen the 10mm “main nut” on the black/orange “plastic cover” (1) and tighten the chain tensioner (2) with a flat bladed screw driver until the chain is tight enough to not jump off the “guide bar”, the chain must have some give or stress on the machine will result.







How to tension the cutting chain (use non-cut gloves)



4. Using a pair of protective gloves pull the chain around the bar by hand and loosen the adjustment if you feel tight spots.

Perform a Snap Test

A quick way to measure the tension of a chainsaw chain is to perform what's known as a "snap test." A properly tensioned chain will rapidly snap back into position around the top of the bar and show no signs of sagging along the bottom of the bar.

1. Start by disconnecting the chainsaw's spark plug lead.
2. While holding the chainsaw in one hand, grasp the chain along the top centre of the chainsaw's bar with two fingers of your other hand. (Always wear heavy gloves and protective eyewear when performing this test.)
3. Lift the chain away from the bar and then quickly release it.

⚠ If the chain falls loosely into position along the top of the bar or sags along the bottom of the bar the tension needs to be adjusted.

Maintenance

⚠ **WARNING!** Always wear gloves when working around the cutter assembly

1. Carefully remove any accumulating dirt or fragments from the muffler and fuel tank. Dirt build-up in these areas can lead to engine overheating, fire, or premature wear.
2. Check for loose or missing screws or components.
3. Make sure the cutting attachment is free from dirt and securely fastened.
4. Check the entire machine for leaking fuel or grease.
5. Make sure nuts, bolts and screws (except carburettor adjusting screws) are tight.
6. Clean any fragments or dirt from the hedge trimmer cutter blades.
7. Lubricate the blades before use and after refuelling.
8. Check the cutters for damage or incorrect adjustment.
9. Make sure the cutter attachment is securely fastened.
10. Keep the spark plug and wire connections tight and clean.
11. Remove all dirt and debris from the engine, check the cooling fins and air cleaner for clogging, and clean as necessary.

⚠ **WARNING!**
Before performing any maintenance, repair, or cleaning work on the unit, make sure the engine and cutting attachment are completely stopped. Disconnect the spark plug wire before performing service or maintenance work.

⚠ **WARNING!**
Non-standard parts may not operate properly with your unit and may cause damage and lead to personal injury.

⚠ **WARNING!**
Operating the engine without a muffler or with a damaged muffler installed can increase engine the noise sufficiently and lead to hearing loss.

⚠ **Note!**
This machine must never be operated with a defective or missing spark arrestor or muffler, Make sure the muffler is well secured and in good condition. A damaged or damped muffler is a fire hazard and may cause hearing loss

.

Maintenance cont..

2-Stroke Petrol Engine Service Schedule	Each Use	Every 1 Month or Every 15hrs (Whichever comes first)	Every 3 Months or Every 30hrs (Whichever comes first)	Every 6 Months or Every 60hrs (Whichever comes first)	Every 12 Months or Every 100hrs (Whichever comes first)
Check machine for loose nuts/screws	CHECK				
Tighten all nuts & screws			COMPLETE	REPLACE	
Fuel Strainer Cup (If Equipped)	CHECK				
Air Cleaner	CHECK	CLEAN / REPLACE AS NECESSARY			
Fuel Filter (if equipped)			CHECK	REPLACE	
Spark Plug			CHECK	REPLACE	
Clean/Flush Fuel Tank			COMPLETE	REPLACE	
Fuel Line	CHECK	REPLACE AS NECESSARY			
Cutting Blades / Chain [Items with Blade(s) / Chain Only]	CHECK	REPLACE AS NECESSARY			
Adjust Idle Speed					ADJUST
Tune Engine			CHECK		
Clean combustion chamber			CHECK	REPLACE	

Harsh conditions such as high temperature operation, higher than normal loads and dusty applications will require reduced service intervals.

Max. continuous running time without cool-off / daily check assuming full oil level and no noticable oil useage or other concerns - 2hrs

The manufacturer recommends that the number of hours per year be within the stated range for optimum machine performance, based on factors including consumable replacement intervals and machine life over an extended warranty period - recommended 260hrs.

Please note: Product failure as a result of not following the service schedule will void warranty. Be sure to keep records/receipts of all maintenance carried out for verification should a warranty query arise. The machine must be kept clean and out of the weather and have all damaged/broken parts replaced in order to be covered by warranty. Items purchased at discount/clearance prices have been known to be treated with less respect than items that are purchased at full retail. Items that show signs of neglect, abuse or lack of care qualify for warranty coverage at the discretion of the provider. In cases where the item has not been well kept, maintained or serviced qualify for warranty coverage at the discretion of the provider.

Transporting/Storage

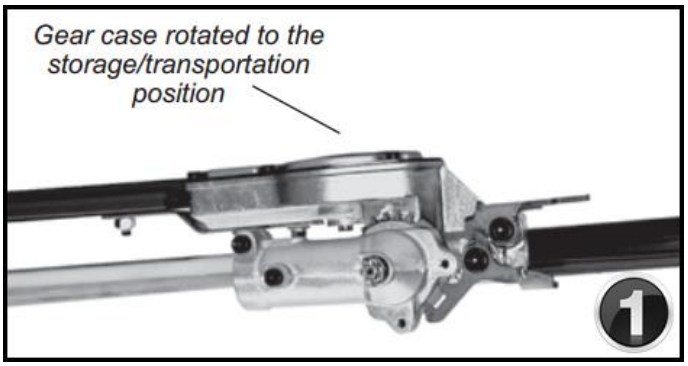
⚠ **CAUTION!**
Fuel stored in the carburettor for extended periods can cause hard starting, and could also lead to increased service and maintenance costs.

⚠ **IMPORTANT!**
Use only clean, fresh non-ethanol 95+ unleaded.

⚠ **IMPORTANT!**
If the machine will not be used for 30 days or longer, use the following procedures to prepare it for storage.

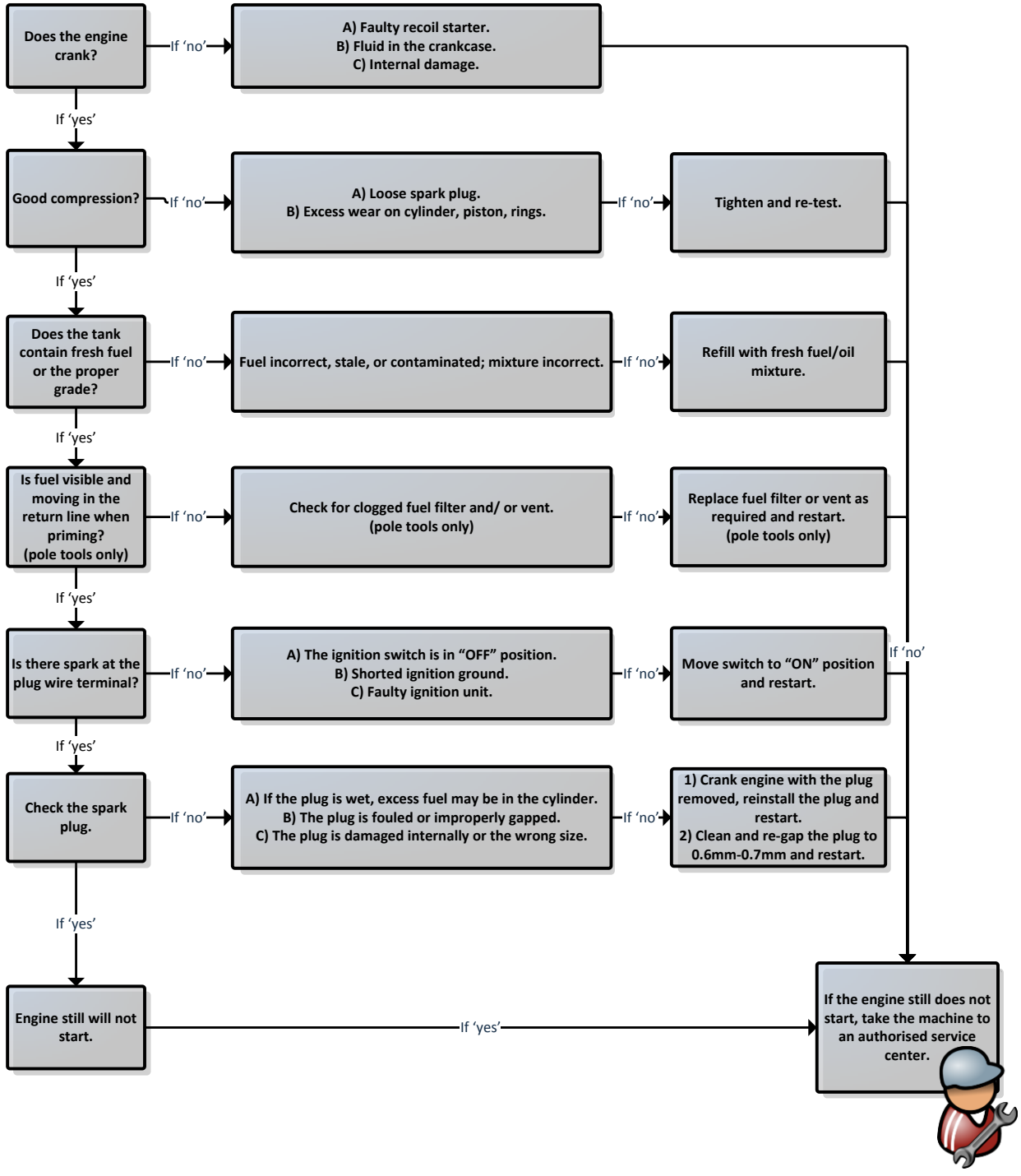
Clean external parts thoroughly and apply a light coating of oil to all metal surfaces.

1. Remove the spark plug and poor about 3ml of oil into the cylinder through the spark plug hole. Slowly pull the recoil starter 2 or 3 times so oil evenly coat the interior of the engine. Reinstall the spark plug.
2. Before storing the machine, repair or replace any worn or damage parts. Make sure the protective covers are in place.
3. Blow dust / debris out of the air cleaner element using compressed air if available.
4. Store the machine in a clean, dry, dust-free area.
5. Always ensure the attachments / tools have the appropriate covers on any blades and hedge trimmers are folded into the storage / transportation position (see figure 1 below)



Troubleshooting

Engine does not start


Does the engine crank?
If 'no'
A) Faulty recoil starter.
B) Fluid in the crankcase.
C) Internal damage.
If 'yes'
Good compression?
If 'no'
A) Loose spark plug.
B) Excess wear on cylinder, piston, rings.
If 'no'
Tighten and re-test.
If 'yes'
Does the tank contain fresh fuel or the proper grade?
If 'no'
Fuel incorrect, stale, or contaminated; mixture incorrect.
If 'no'
Refill with fresh fuel/oil mixture.
If 'yes'
Is fuel visible and moving in the return line when priming? (pole tools only)
If 'no'
Check for clogged fuel filter and/ or vent. (pole tools only)
If 'no'
Replace fuel filter or vent as required and restart. (pole tools only)
If 'yes'
Is there spark at the plug wire terminal?
If 'no'
A) The ignition switch is in "OFF" position.
B) Shorted ignition ground.
C) Faulty ignition unit.
If 'no'
Move switch to "ON" position and restart.
If 'no'
If 'yes'
Check the spark plug.
If 'no'
A) If the plug is wet, excess fuel may be in the cylinder.
B) The plug is fouled or improperly gapped.
C) The plug is damaged internally or the wrong size.
If 'no'
1) Crank engine with the plug removed, reinstall the plug and restart.
2) Clean and re-gap the plug to 0.6mm-0.7mm and restart.
If 'yes'
Engine still will not start.
If 'yes'
If the engine still does not start, take the machine to an authorised service center.

Troubleshooting cont..

Low Power

Is the engine overheating?	- Operator is overworking the unit. - Carburettor mixture is too lean. - Fan, fan cover, cylinder fins dirty or damaged.	Cut at a slower rate. Consult with an authorised servicing dealer. Clean, repair or replace as nessesary.
If 'No'		
Engine is rough at all speeds. May also have black smoke and / or unburned fuel at the exhaust.	- Carbon deposits on the piston or in the muffler. - Clogged air cleaner element. - Loose or damaged spark plug. - Air Leakage or clogged fuel line. - Water in the fuel. - Piston seizure. - Faulty carburettor and / or diaphragm.	- Clean or replace the air filter. - Tighten or replace the spark plug. Restart. - Repair or replace fuel filter and / or fuel line. - Refill with fresh fuel / oil mixture.
If 'No'		
Engine making a knocking or pinging sound.	- Overheating condition. - Improper fuel. - Carbon deposits in the combustion chamber.	- Check fuel octane rating; check for presence of alcohol in the fuel. Refuel as necessary.

Does Problem Persist?

Take the machine to an authorised service center.

Specifications

BMRG-BC-65CC7IN1

Manufacturer: Baumr-AG
Engine Type: 2-Stroke
Engine Displacement: 65cc
Engine Output: 4.1hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

BMRG-2IN1-65CC

Manufacturer: Baumr-AG
Engine Type: 2-Stroke
Engine Displacement: 65cc
Engine Output: 4.1hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

BMRG-MLT7-65CC

Manufacturer: Baumr-AG
Engine Type: 2-Stroke
Engine Displacement: 65cc
Engine Output: 4.1hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

BMRG-MLT9-65CC

Manufacturer: Baumr-AG
Engine Type: 2-Stroke
Engine Displacement: 65cc
Engine Output: 4.1 hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

BMRG-PCS-65CC

Manufacturer: Baumr-AG
Engine Type: 2-Stroke
Engine Displacement: 65cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTM-BPACK-BCUTTER62CC

Manufacturer: Baumr-AG
Engine Type: 2-Stroke
Engine Displacement: 65cc
Engine Output: 4.1hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: Flexible 20mm outer / 6mm.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

MTM-BRUSHCUT-62CC7IN1

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

MTMG-2IN1-62CC

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTMG-7IN1-62CC

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTMG-MLT7-62CC

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTMG-MLT9-62CC

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTM-PCS5IN1

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTM-PCS-62CC

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

MTM-PCS8IN1

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 33cc
Engine Output: 1.5 hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Brush Cutter attachment
Gearbox Type: XB - Ball Bearing Commercial - Greasable
Arbor Size: 25.4mm (1 Inch) Anti-clockwise drive direction
Blade Options: 40T Gold Series Saw, 40T Saw, 8T Saw, 3T Slasher, 2T Lawn Edger.

Hedge Trimmer attachment
Gearbox Type: XH - Ball Bearing Commercial - Greasable
Blade Length / Type: 450 mm Dual Oscillating
Blades Material: Ultra-Hardened Knife Steel
Cutting Capacity: 450 mm - max 15mm Diameter
Degrees of Rotation: 270 - 12 incremental positions.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

PLTPCS62GMTMACAJ

Manufacturer: MTM
Engine Type: 2-Stroke
Engine Displacement: 62cc
Engine Output: 3.8hp (peak)
Fuel Type: 95+ Non Ethanol 2-Stroke (25:1 Mix)
Shaft Type: 26mm outer / 8mm 9 spline drive.

Chainsaw attachment
Bar Length / Type: 12" Sprocket Nose
Bar Oil Capacity / Type: 150mL “Chainsaw bar oil” or Similar
Chain Type: Low Kickback Premium Semi-Chisel
Chain Spec: 12", Pitch 3/8", Gauge 0.05, Links 44

Appendix

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